



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09211287 A**(43) Date of publication of application: **15.08.97**

(51) Int. Cl.

**G02B 7/02
H04N 5/225**(21) Application number: **08037430**(71) Applicant: **CANON INC**(22) Date of filing: **31.01.96**(72) Inventor: **TANAKA HIDETOMO****(54) IMAGE PICKUP DEVICE****(57) Abstract:**

PROBLEM TO BE SOLVED: To facilitate photographing operation by shortening the length of a whole device in a horizontal direction by attaching a prism body having a slant face reflecting and deflecting a luminous flux as an inside surface reflection surface on the object side of a photographing system and picking up images through the prism body.

SOLUTION: The prism body 2 has the slant face 2b as a reflection surface and is provided on the object side of the photographing system 101 on an optical axis. The luminous flux from an object 1 on the optical axis 102 is made incident from an incident plane 2a constituted of a plane, and is reflected and deflected by 90 degrees by the slant face 2b and is emitted from a light exit surface 2c constituted of the plane. The luminous flux in the horizontal direction equivalent to the optical axis 102 from the object 1 is made incident from the incident plane 2a of the prism body 2, and is reflected and deflected by 90 degrees (perpendicular direction) by the reflection surface 2b, and is emitted from the light exit surface 2c and is made incident on the photographing system 101. Then, a subject image is formed on the surface of an image pickup means 7 by the photographing system 101. Thus, a photographing luminous flux is deflected by 90 degrees, so that it is made thin in the horizontal direction when it is attached at a camera main body by shortening the length in the horizontal direction as the photographing system.

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